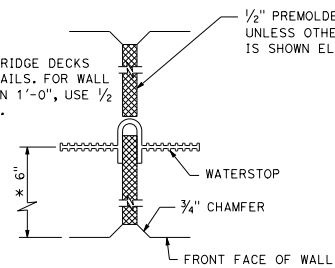
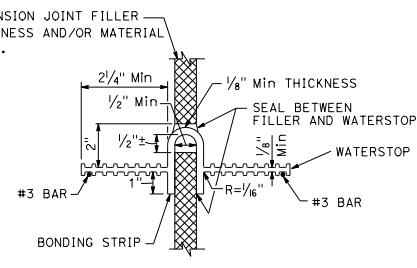


BRIDGE DETAIL 3-5
8" PSP AND PERMEABLE MATERIAL

* FOR PLACEMENT IN BRIDGE DECKS
SEE JOINT SEAL DETAILS. FOR WALL
THICKNESS LESS THAN 1'-0", USE 1/2
THE WALL THICKNESS.



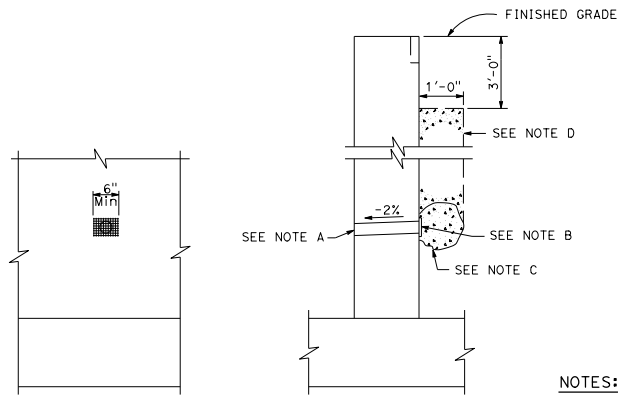
BRIDGE DETAIL 3-4
WALL EXPANSION JOINT



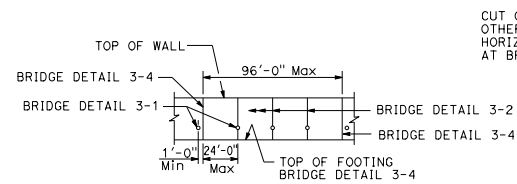
BRIDGE DETAIL 3-6
WATERSTOP

NOTES:

- Holes will be permitted in the outer 1/2" of the web for wire, rings, etc. Tie web to #3 reinforcing bars @ 12 maximum intervals to support the waterstop in proper position during concrete placement. Alternative detail may be submitted for approval of the Engineer.
- Waterstop to have 5 or more pairs of raised ribs to provide 0.1 square inch minimum rib cross-section area on each half of the waterstop.

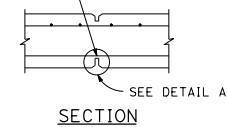


ELEVATION
BRIDGE DETAIL 3-1
WEEP HOLE AND PERVIOUS BACKFILL



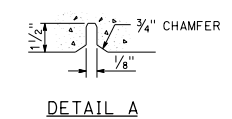
BRIDGE DETAIL 3-3
**WALL EXPANSION JOINTS
AND WEAKENED PLANES**

CUT OR BUTT EVERY
OTHER FRONT FACE
HORIZONTAL BAR
AT BRIDGE DETAIL 3-2



SECTION
BRIDGE DETAIL 3-2
WEAKENED PLANES

JOINT MAY BE FORMED WITH
1/8" HARDBOARD AND CUT BACK
TO THE ROOT OF THE CHAMFER
ON THE EXPOSED FACE.



DETAIL A

NOTES:

- 4" \emptyset Drains @ 25'-0" maximum center to center. For walls adjacent to sidewalks or curbs, provide 4" plastic pipe under the sidewalk to discharge thru curb face. Exposed wall drains shall be located 3'± above finished grade.
- 6" square aluminum or galvanized steel wire 1/4" mesh hardware cloth, minimum wire diameter 0.025". Anchor firmly to backface.
- One cubic foot pervious backfill material in a nonwoven filter fabric, securely tied.
- Pervious backfill material continuous behind retaining wall or abutment.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
BRIDGE DETAILS

NO SCALE

B0-3

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Gary Wong
 REGISTERED CIVIL ENGINEER
 No. C58288
 May 31, 2018
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR
 THE ACCURACY OR COMPLETENESS OF SCANNED
 COPIES OF THIS PLAN SHEET.

Gary Wong
 REGISTERED PROFESSIONAL ENGINEER
 No. C58288
 Exp. 6-30-18
 CIVIL
 STATE OF CALIFORNIA